



# Bio-Medical Research Ltd.

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This summary is being submitted in accordance with the requirements of 21 CFR 807.92.

## 1. Contact Details

DEC - 7 2009

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Galway, Ireland  
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Prepared: 20<sup>th</sup> November 2009

## 2. Device Name

Trade Name of Device: Kneehab Conductive Garment  
Common Name: Conductive Garment  
Classification Name: Cutaneous Electrode  
Regulation Number: 21 CFR 882.1320  
Product Code: GXY

## 3. Identification of Equivalent Legally Marketed Device

Name: Kneehab XP Conductive Garment, Type 411  
Manufacturer: Bio-Medical Research Ltd.  
510(k) No: K083105

Name: Lumbofix™ Conductive Garment  
Manufacturer: Bio-Medical Research Ltd.  
510(k) No: K091317

## 4. Description of Device

The proposed Kneehab XP Conductive Garment is an integrated thigh wrap garment designed to be used in conjunction with a Neurotech stimulator and custom electrodes for the application of neuromuscular electrical stimulation (NMES) to the quadriceps muscles of the

thigh. The garment is supplied with a set of four custom designed adhesive pads which may be positioned on the inner garment outlines according to fit of the user. Instructions are provided in the user instructions for correct electrode placement. For purposes of hygiene, the garment may be cleaned and instructions for device care are included in the user manual.

## **5. Statement of Intended Use/Indications for Use**

The Neurotech Kneehab XP Conductive Garment and associated accessories are indicated for use with Neurotech stimulators to facilitate the frequent and correct positioning and repositioning of large, multiple, and/or difficult to reach stimulation sites associated with the quadriceps area of the leg.

## **6. Technological Characteristics**

This submission differs from the the Kneehab XP cleared under K083105 in that it is not packaged with the battery pack, charger or a control unit.

## **7. Clinical and Non-Clinical Tests**

No clinical or non clinical tests were performed to support substantial equivalence.



DEPARTMENT OF HEALTH & HUMAN SERVICES

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Food and Drug Administration  
10903 New Hampshire Avenue  
Document Mail Center - WO66-G609  
Silver Spring, MD 20993-0002

Bio-Medical Research Ltd.  
c/o Ms. Anne-Marie Keenan  
Quality/Regulatory Engineer  
Parkmore Business Park West  
Galway, Ireland

DEC - 7 2009

Re: K092793

Trade/Device Name: Kneehab XP Conductive Garment, Model 411  
Regulation Number: 21 CFR 882.1320  
Regulation Name: Cutaneous Electrode  
Regulatory Class: II  
Product Code: GXY  
Dated: September 3, 2009  
Received: September 11, 2009

Dear Ms. Keenan:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

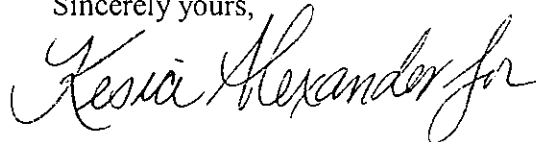
If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please go to <http://www.fda.gov/AboutFDA/CentersOffices/CDRH/CDRHOffices/ucm115809.htm> for the Center for Devices and Radiological Health's (CDRH's) Office of Compliance. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <http://www.fda.gov/cdrh/mdr/> for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Kesia Alexander for".

Malvina B. Eydelman, M.D.

Director

Division of Ophthalmic, Neurological,  
and Ear, Nose and Throat Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K092793

Device Name: Kneehab XP Conductive Garment

Indications for Use:

The Neurotech Kneehab Conductive Garment and associated accessories are indicated for use with Neurotech Stimulators to facilitate the frequent and correct positioning and repositioning of large, multiple, and/or difficult to reach stimulation sites associated with the quadriceps area of the leg.

Prescription Use X  
(Part 21 CFR 801 Subpart D)

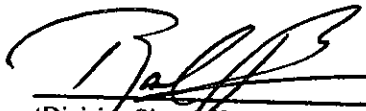
AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE  
OF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
(Division Sign-off)  
Division of Ophthalmic, Neurological and Ear,  
Nose and Throat Devices

510(k) Number K092793